

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094007.D
 Acq On : 28 Mar 2017 21:58
 Operator : SJ/MA
 Sample : I2421-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 02:39:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

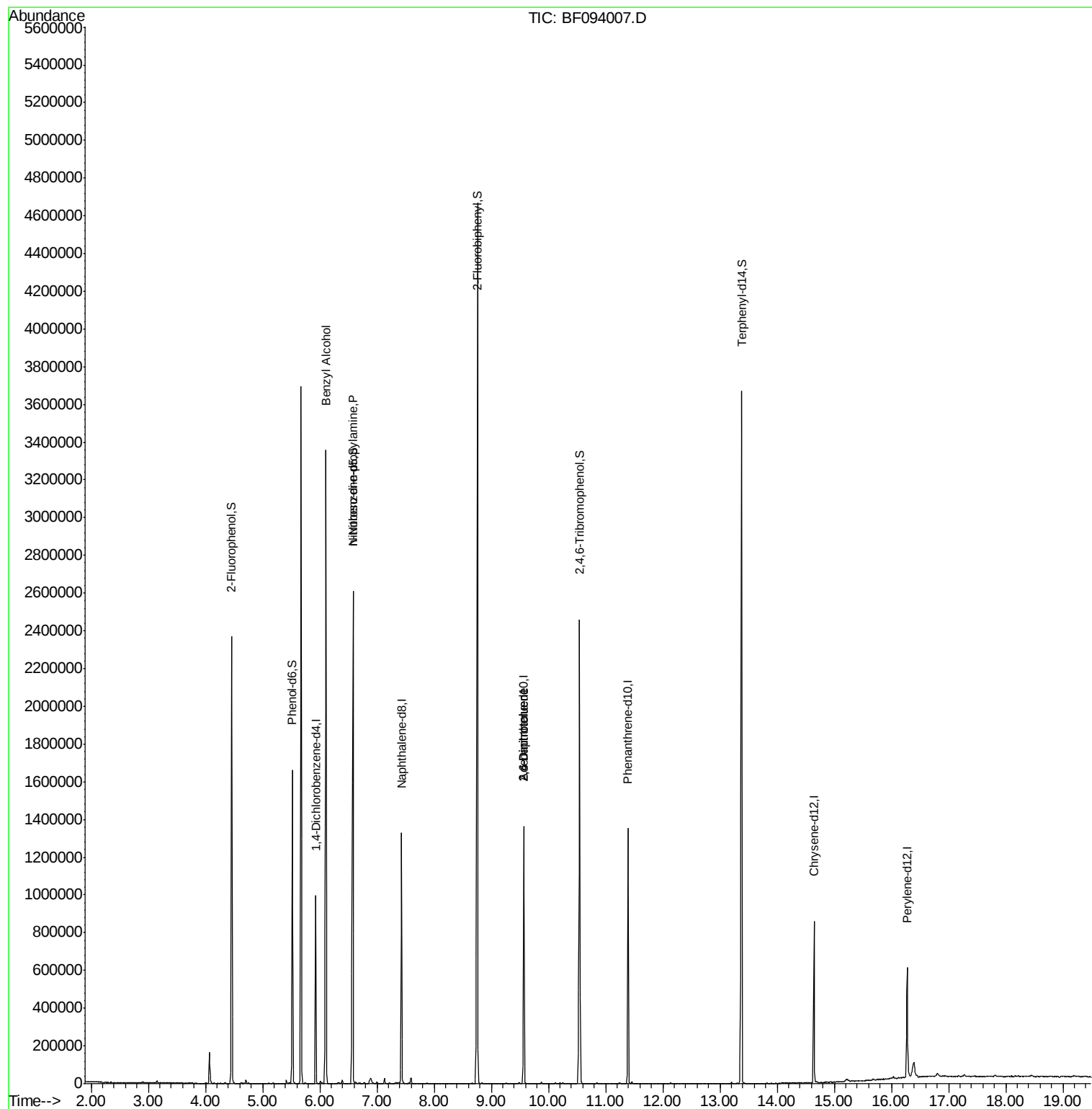
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	167342	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	682739	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	311593	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	534334	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	341361	20.00	ng	-0.04
86) Perylene-d12	16.27	264	260558	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	721685	72.84	ng	-0.02
7) Phenol-d6	5.52	99	576002	46.99	ng	-0.03
23) Nitrobenzene-d5	6.58	82	1113220	93.05	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	388976	157.98	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	1984873	97.16	ng	-0.02
78) Terphenyl-d14	13.38	244	1535678	100.84	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	6.10	79	20342	2.27	ng	# 47
19) n-Nitroso-di-n-propylamine	6.58	70	148497	18.85	ng	# 79
50) 2,6-Dinitrotoluene	9.57	165	40210	7.92	ng	# 34
56) 2,4-Dinitrotoluene	9.57	165	40211	6.30	ng	# 33

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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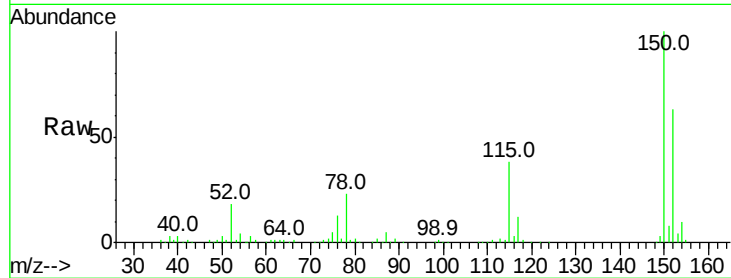


#1

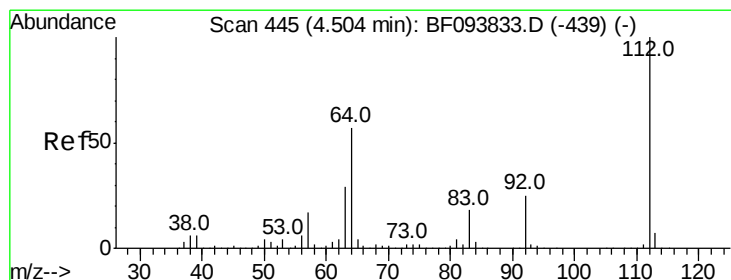
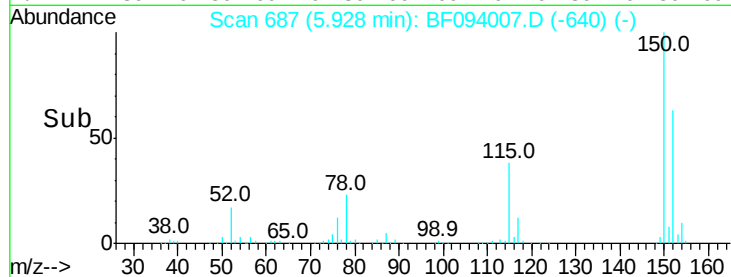
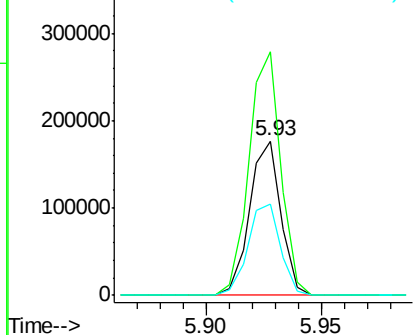
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF094007.D
Acq: 28 Mar 2017 21:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 167342
Ion Ratio Lower Upper
152 100
150 158.0 126.2 189.2
115 59.3 52.2 78.2



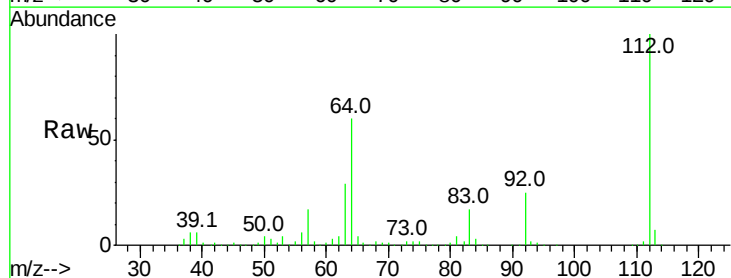
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



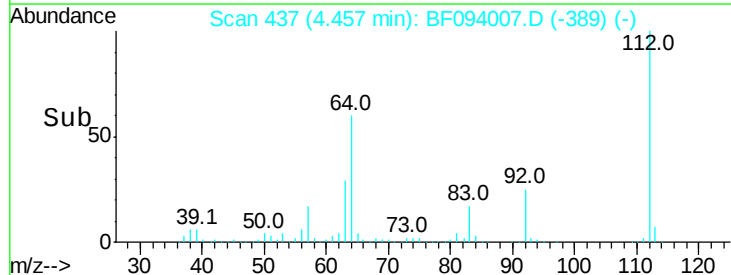
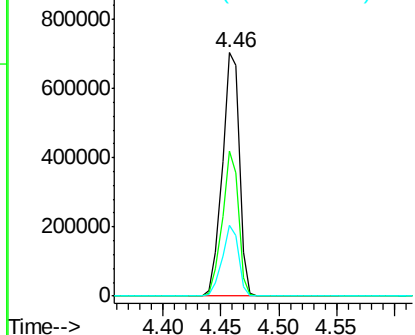
#5

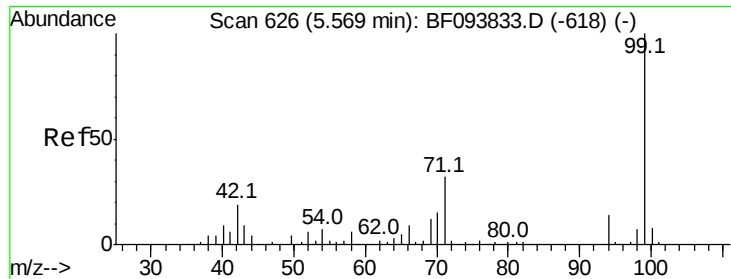
2-Fluorophenol
Concen: 72.84 ng
RT: 4.46 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF094007.D
Acq: 28 Mar 2017 21:58

Tgt Ion:112 Resp: 721685
Ion Ratio Lower Upper
112 100
64 59.6 46.0 69.0
63 29.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 46.99 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF094007.D

Acq: 28 Mar 2017 21:58

Instrument :

BNA_F

ClientSampleId :

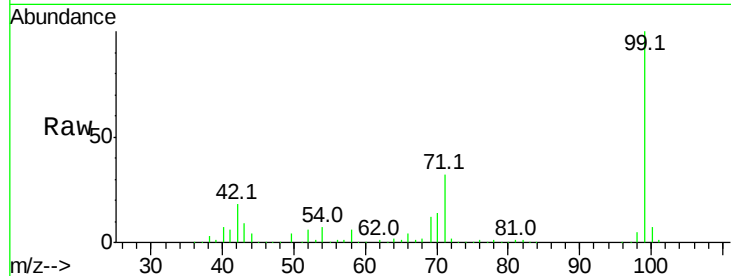
Tot Ion: 99 Resp: 576002

Ion Ratio Lower Upper

99 100

42 17.8 13.5 20.3

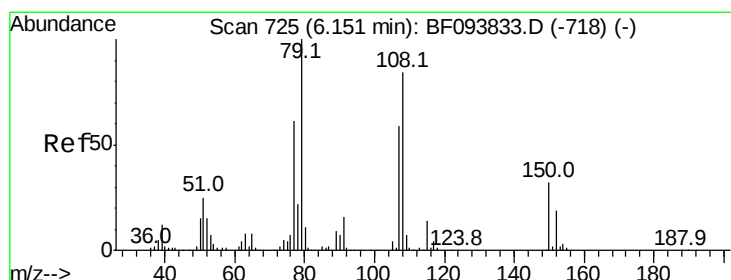
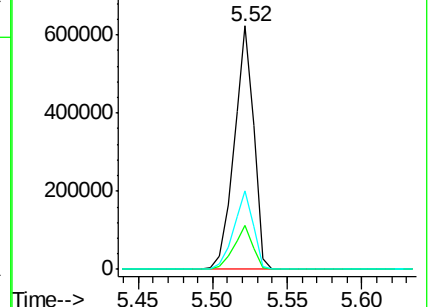
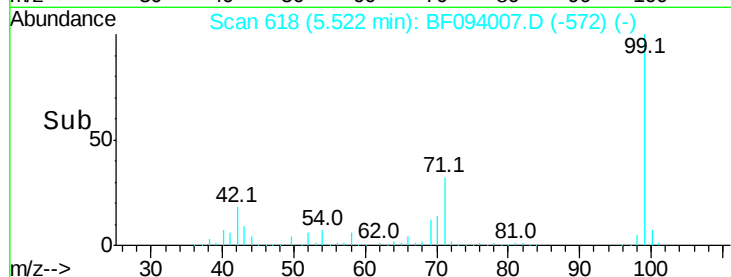
71 32.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 6.10 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF094007.D

Acq: 28 Mar 2017 21:58

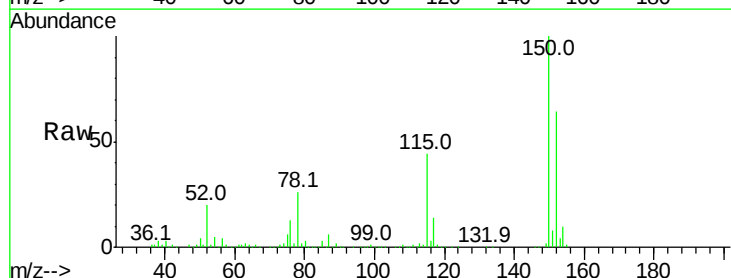
Tgt Ion: 79 Resp: 20342

Ion Ratio Lower Upper

79 100

108 31.5 63.4 95.0#

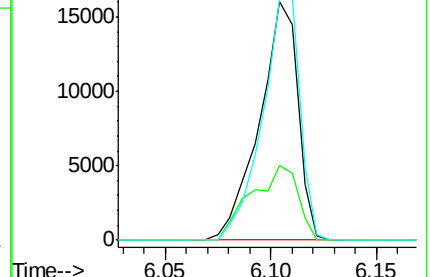
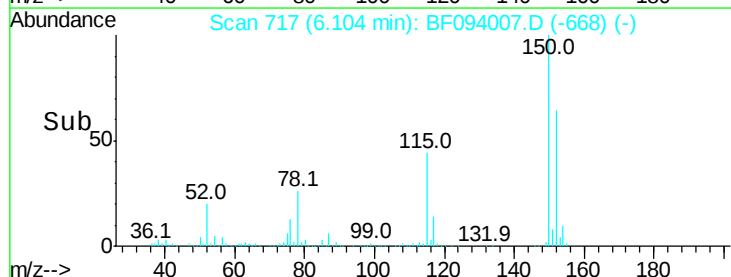
77 100.9 49.2 73.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.85 ng

RT: 6.58 min Scan# 798

Delta R.T. 0.14 min

Lab File: BF094007.D

Acq: 28 Mar 2017 21:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 148497

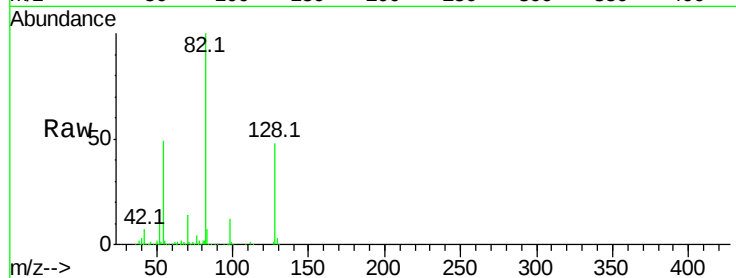
Ion Ratio Lower Upper

70 100

42 48.1 47.2 70.8

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

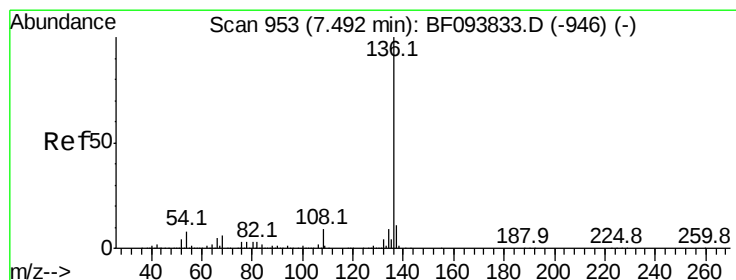
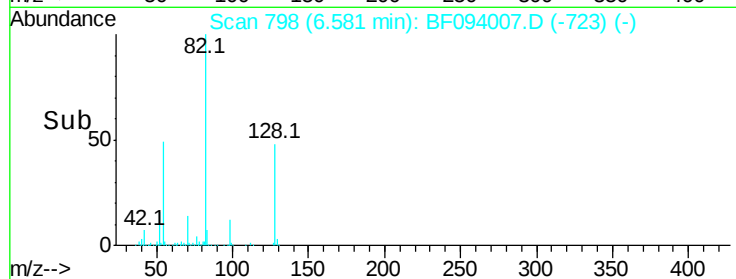
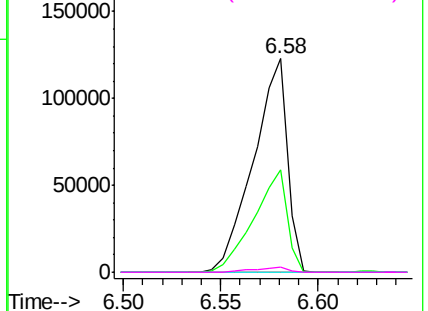


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.43 min Scan# 942

Delta R.T. -0.03 min

Lab File: BF094007.D

Acq: 28 Mar 2017 21:58

Tgt Ion: 136 Resp: 682739

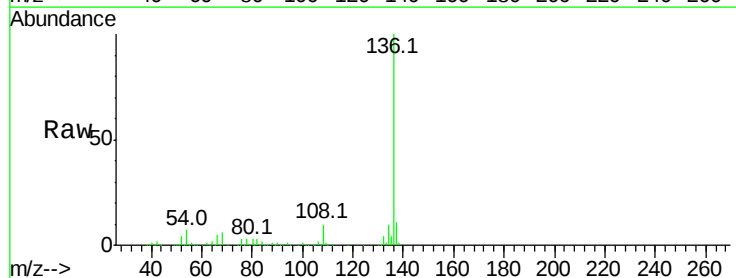
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.3 4.9 7.3#

68 5.9 4.1 6.1

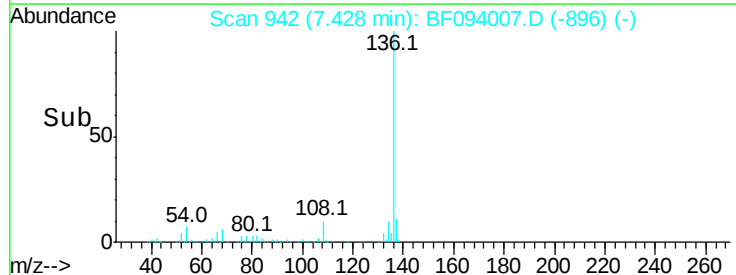
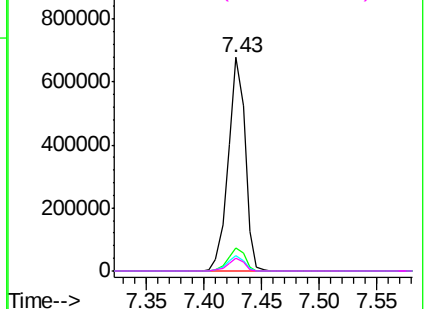


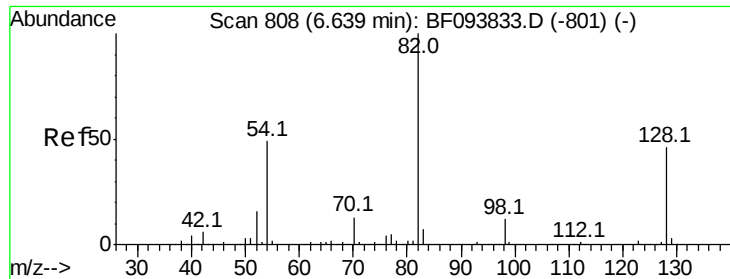
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

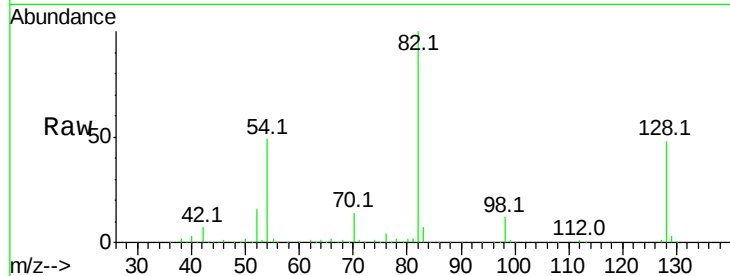




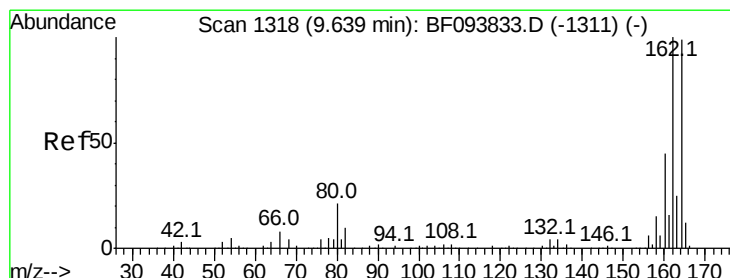
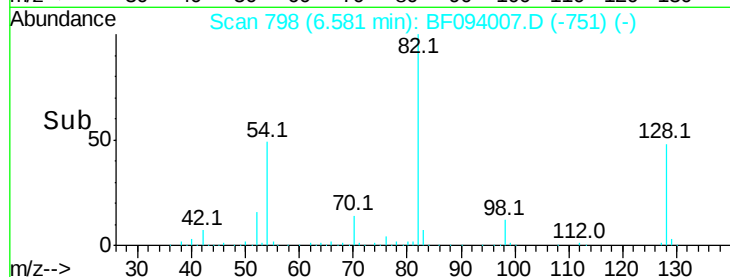
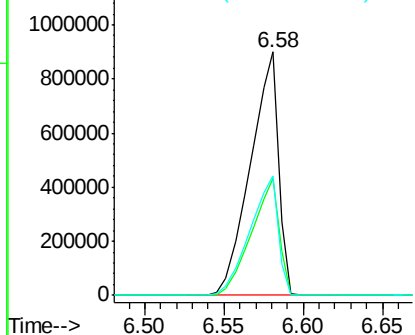
#23
 Nitrobenzene-d5
 Concen: 93.05 ng
 RT: 6.58 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF094007.D
 Acq: 28 Mar 2017 21:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1113220
 Ion Ratio Lower Upper
 82 100
 128 48.0 34.0 51.0
 54 49.2 42.2 63.2

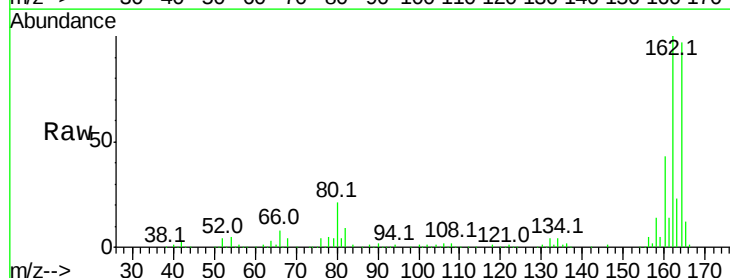


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

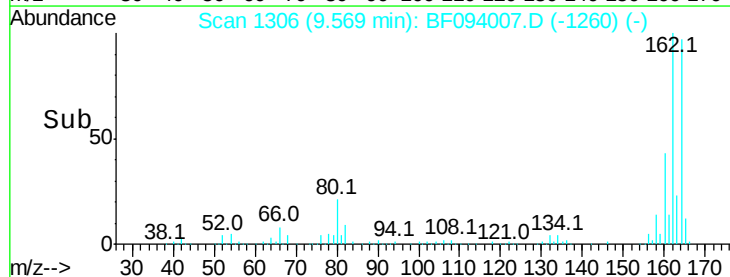
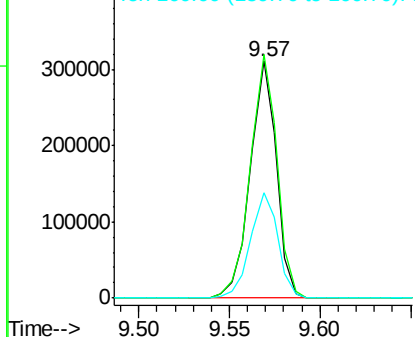


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.03 min
 Lab File: BF094007.D
 Acq: 28 Mar 2017 21:58

Tgt Ion:164 Resp: 311593
 Ion Ratio Lower Upper
 164 100
 162 102.9 82.6 123.8
 160 44.5 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

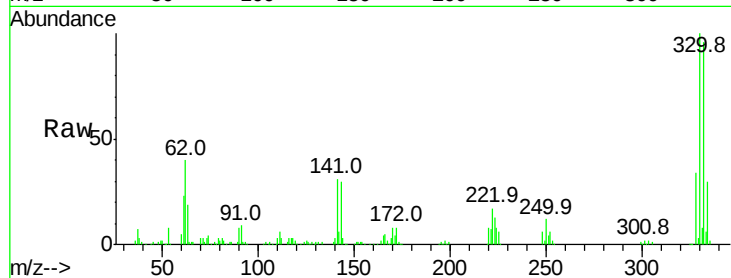




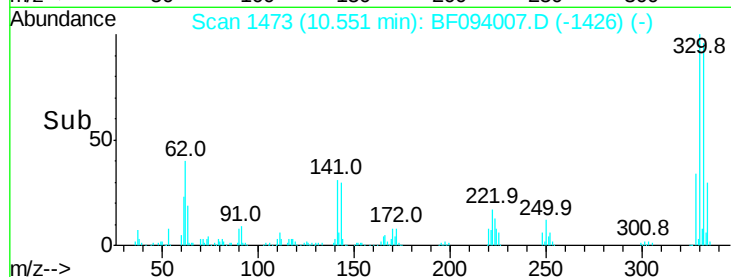
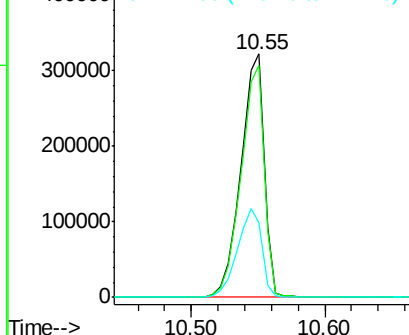
#41
 2,4,6-Tribromophenol
 Concen: 157.98 ng
 RT: 10.55 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: BF094007.D
 Acq: 28 Mar 2017 21:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 388976
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 38.2 31.4 47.2

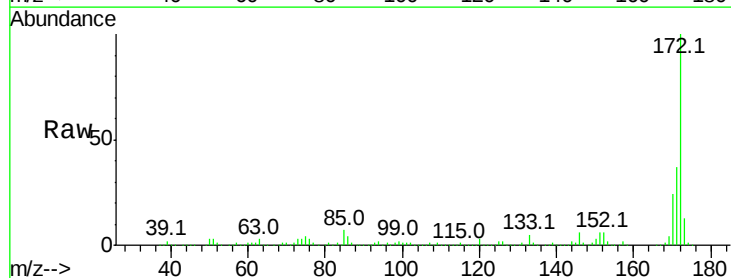


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

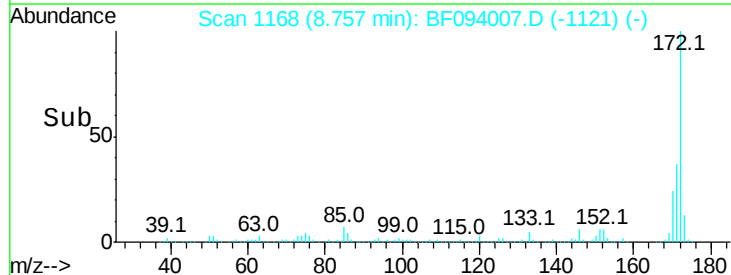
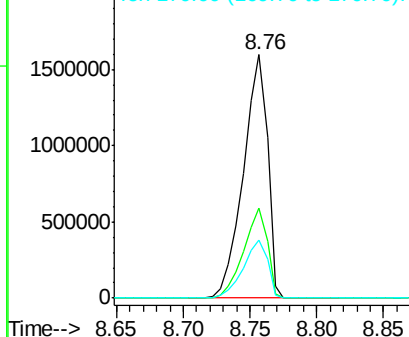


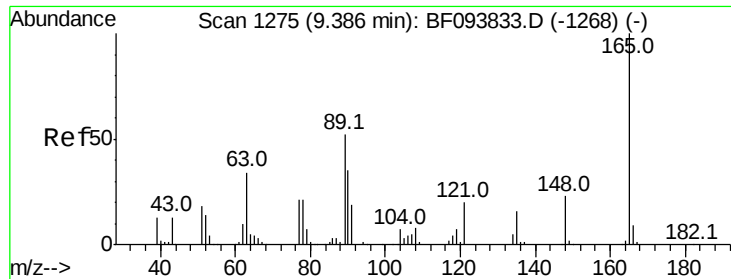
#44
 2-Fluorobiphenyl
 Concen: 97.16 ng
 RT: 8.76 min Scan# 1168
 Delta R.T. -0.02 min
 Lab File: BF094007.D
 Acq: 28 Mar 2017 21:58

Tgt Ion:172 Resp: 1984873
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.6 44.4
 170 23.7 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

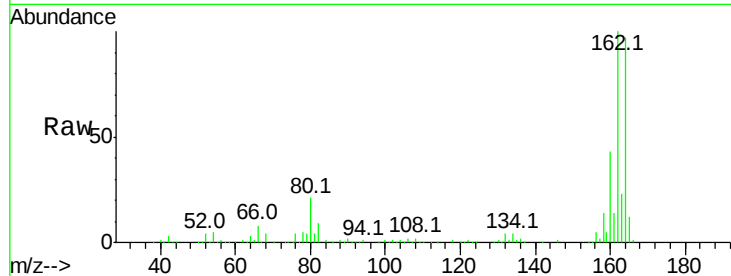




#50
 2,6-Dinitrotoluene
 Concen: 7.92 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. 0.22 min
 Lab File: BF094007.D
 Acq: 28 Mar 2017 21:58

Instrument :
 BNA_F
 ClientSampleId :

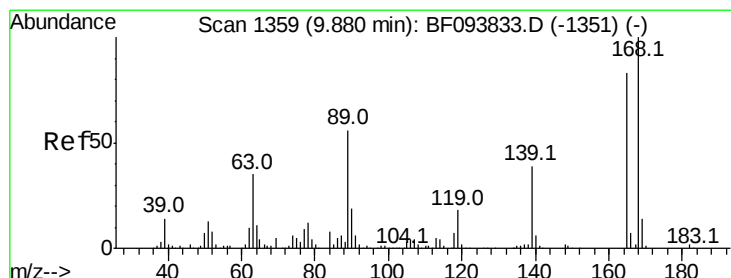
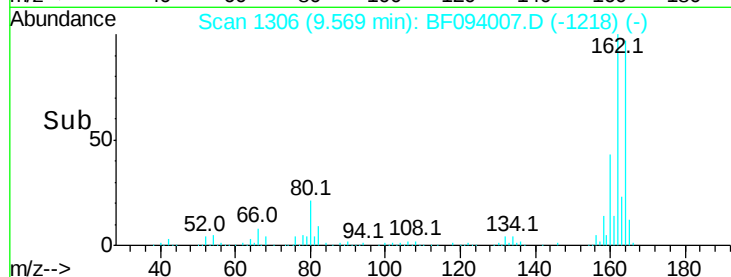
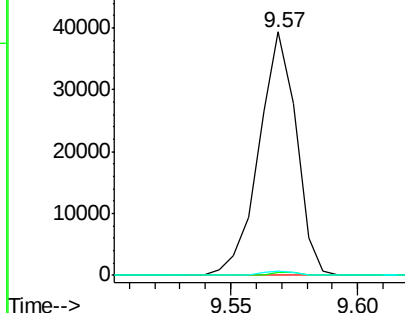
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	1.5	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.30 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.28 min
 Lab File: BF094007.D
 Acq: 28 Mar 2017 21:58

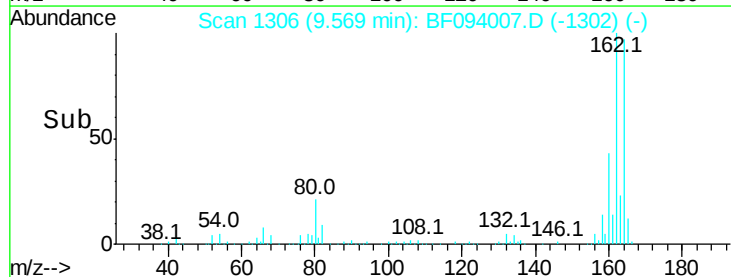
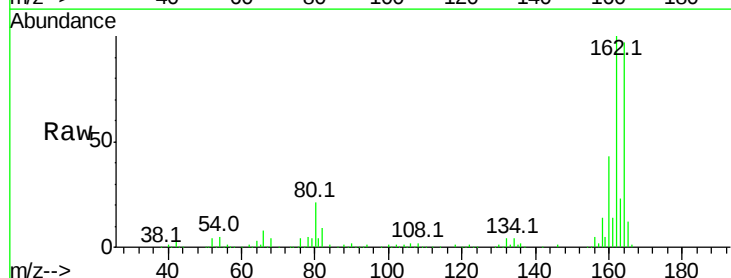
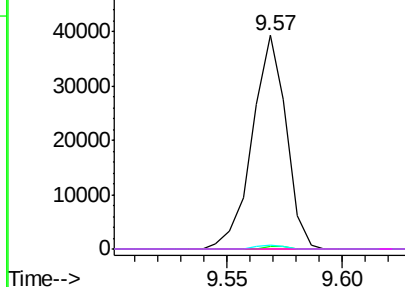
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#

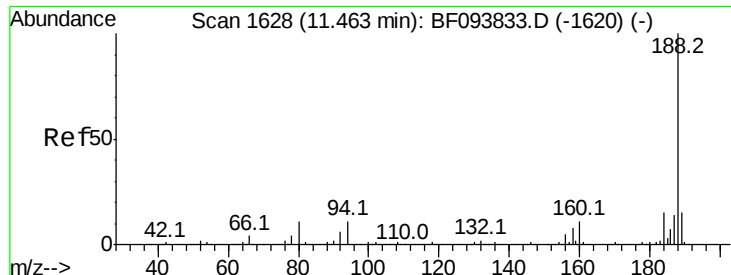
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 1616

Delta R.T. -0.03 min

Lab File: BF094007.D

Acq: 28 Mar 2017 21:58

Instrument :

BNA_F

ClientSampleId :

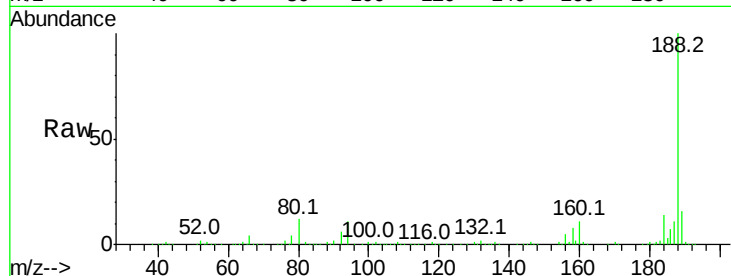
Tot Ion:188 Resp: 534334

Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

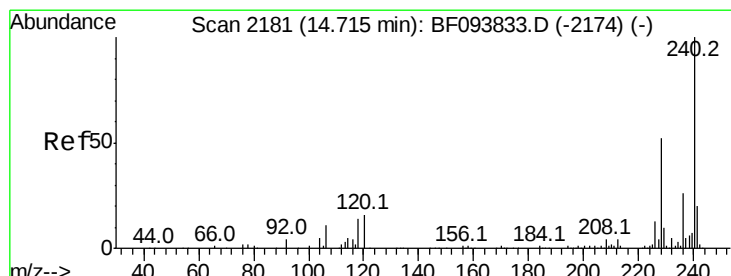
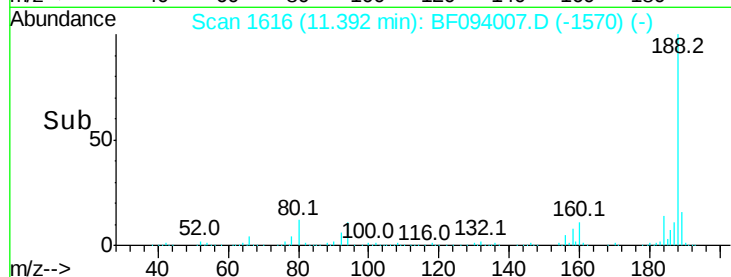
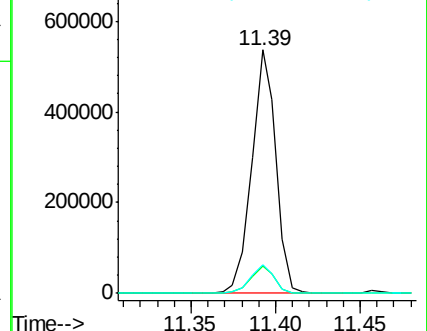
80 12.0 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.64 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF094007.D

Acq: 28 Mar 2017 21:58

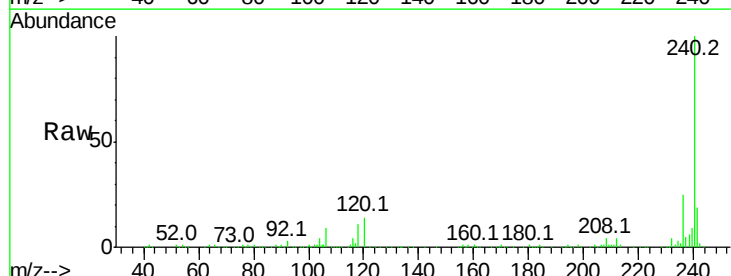
Tgt Ion:240 Resp: 341361

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

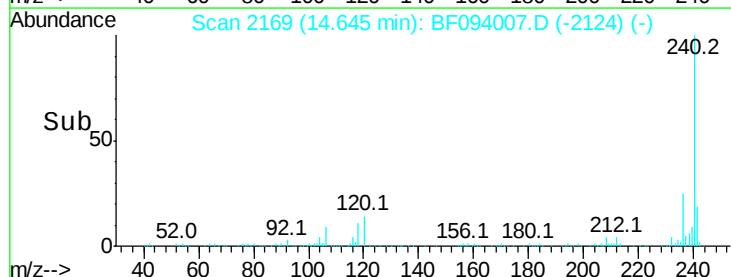
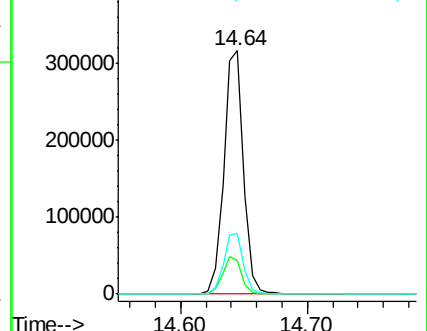
236 25.0 20.5 30.7

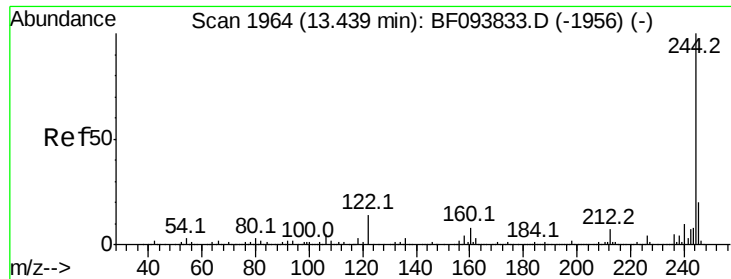


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

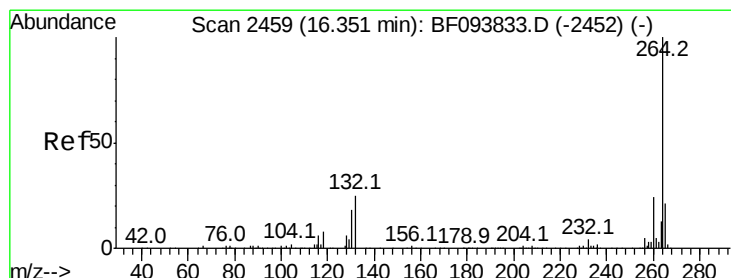
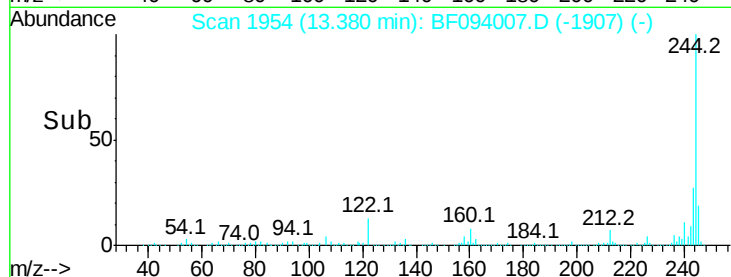
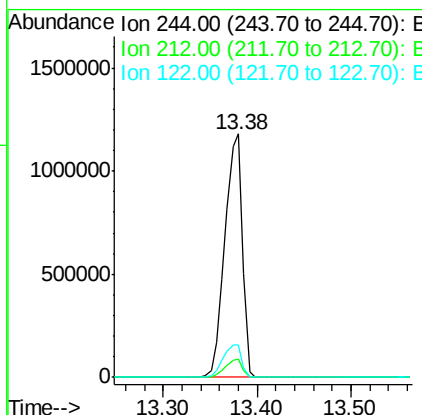
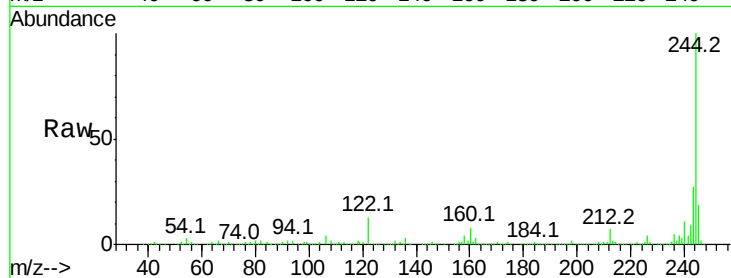




#78
 Terphenyl-d14
 Concen: 100.84 ng
 RT: 13.38 min Scan# 1954
 Delta R.T. -0.02 min
 Lab File: BF094007.D
 Acq: 28 Mar 2017 21:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1535678
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 13.1 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.27 min Scan# 2446
 Delta R.T. -0.04 min
 Lab File: BF094007.D
 Acq: 28 Mar 2017 21:58

Tgt Ion:264 Resp: 260558
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.5 29.3
 265 21.6 17.2 25.8

